

July 29, 2003

Patent application declaration page

For the device entitled: "Toenail fungus eradicator"

From: Robert Lee White  
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To: Commissioner of Patents and Trademarks

Dear Sir,

I do on this date declare that to my knowledge, I have never heard of or seen the following idea in use or in print, or represented by drawing. To the best of my knowledge, I am the first person to think of using the existing technology in this fashion.

The idea of using a ultra-violet light to sterilize objects and areas is well documented, but using a compact device with a light emitting diode in the treatment of toenail fungus, is mine alone, to the best of my knowledge.

I propose a very compact battery powered device that is worn around the toe at night, much like a wrist watch is worn around the wrist.

The band fits around the toe that is infected and the light emitting diode is used to illuminate the fungal infected toenail while the person sleeps.

My first thought is to use an ultra violet light emitting diode, although other types of diodes may be effective also.

This can be removed during the day if desired and put back on during the next period of sleep.

Over a period of several weeks or months, depending on the severity of the infection, this device should destroy the infection without any harm to surrounding tissue.

This is done with highly toxic medications at present, at great expense, and with some risk to the patient.

My method is totally safe. There is no danger to the patient at all. No side effects, no toxins, and tolerated well by almost anyone.

I declare this to be a true and honest declaration by a proud American, this July the 30, 2003.

Signed:

  
Robert Lee White

Abstract of Disclosure for invention  
Entitled:  
"Toenail Fungus Eradicator"

The Toenail Fungus Eradicator uses a light emitting diode to illuminate the fungal infection during periods of sleep or rest. It is worn around the toe much like a wrist watch is worn around the wrist. It is battery powered and compact. (see figure 1)

Top view of toe with device in place. (see figure 2)

View of bottom or "toenail side" of device shows that the light emitting diode is open to allow the light from the diode to illuminate the toenail. (see figure 3)

Side view or "cutaway view of device reveals that the battery fits into the case over the diode in this design. The battery compartment would not necessarily have to be made in this fashion. The important thing is that the diode fits over the infected toenail, and the light is directed onto the infection. (see figure 4) The device can be anchored to the toe with either a strap, or band, or even with a covering that mimics a "finger" from a latex glove.

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